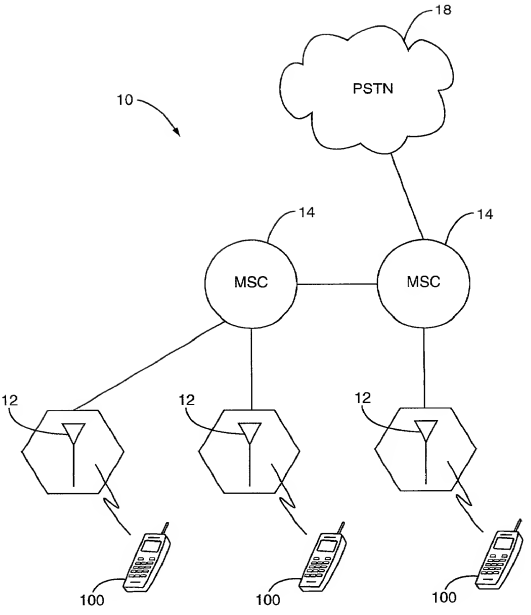

FIG. 1

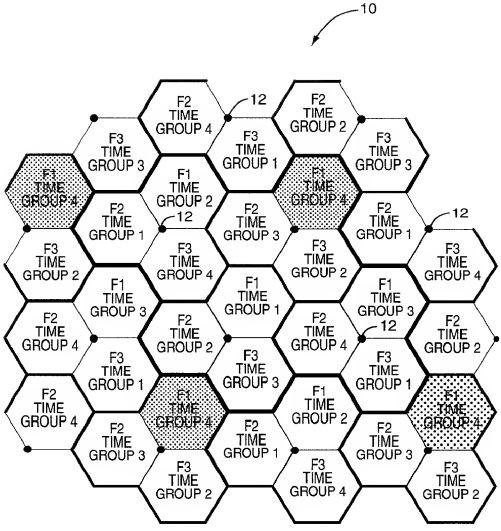
10
12
12
12
12
F2 TIME GROUP 4
F2 TIME GROUP 2
F3 TIME GROUP 3
F3 TIME GROUP 1
F3 TIME GROUP 3
F1 TIME GROUP 4
F1 TIME GROUP 2
F1 TIME GROUP 4
F2 TIME GROUP 1
F2 TIME GROUP 3
F2 TIME GROUP 1
F3 TIME GROUP 2
F3 TIME GROUP 4
F3 TIME GROUP 2
F3 TIME GROUP 4
F1 TIME GROUP 3
F1 TIME GROUP 1
F1 TIME GROUP 3
F2 TIME GROUP 4
F2 TIME GROUP 2
F2 TIME GROUP 4
F2 TIME GROUP 2
F3 TIME GROUP 1
F3 TIME GROUP 3
F3 TIME GROUP 1
F2 TIME GROUP 4
F1 TIME GROUP 4
F1 TIME GROUP 2
F1 TIME GROUP 4
F2 TIME GROUP 3
F2 TIME GROUP 1
F2 TIME GROUP 3
F3 TIME GROUP 2
F3 TIME GROUP 4
F3 TIME GROUP 2

FIG. 2

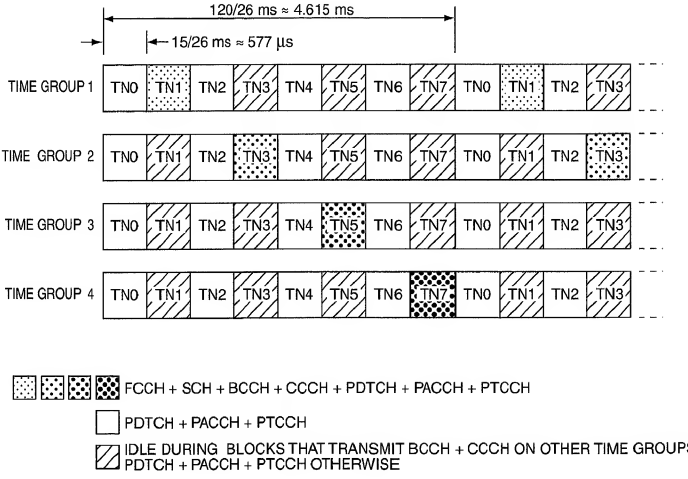
120/26 ms ≈ 4.615 ms
15/26 ms ≈ 577 µs
TIME GROUP 1
TIME GROUP 2
TIME GROUP 3
TIME GROUP 4
TN0
TN1
TN2
TN3
TN4
TN5
TN6
TN7
FCCH + SCH + BCCH + CCCH + PDTCH + PACCH + PTCCH
PDTCH + PACCH + PTCCH
IDLE DURING BLOCKS THAT TRANSMIT BCCH + CCCH ON OTHER TIME GROUPS
PDTCH + PACCH + PTCCH OTHERWISE

FIG. 3

FRAMES 0-51 OF A 208-MULTIFRAME
(N MOD 4 = 0)
TIME GROUP 1

TS FRAME	0	1	2	3	4	5	6	7
0		BCCH		IDLE		IDLE		IDLE
1		BCCH		IDLE		IDLE		IDLE
2		BCCH		IDLE		IDLE		IDLE
3		BCCH		IDLE		IDLE		IDLE
4								
5								
6								
7								
8								
9								
10								
11								
12				PTCCH				
13		IDLE		IDLE		IDLE		CCCH
14		IDLE		IDLE		IDLE		CCCH
15		IDLE		IDLE		IDLE		CCCH
16		IDLE		IDLE		IDLE		CCCH
17								
18								
19								
20								
21								
22								
23								
24								
25				IDLE				FCCH
26		IDLE		IDLE		IDLE		CCCH
27		IDLE		IDLE		IDLE		CCCH
28		IDLE		IDLE		IDLE		CCCH
29		IDLE		IDLE		IDLE		CCCH
30								
31								
32								
33								
34								
35								
36								
37								
38				PTCCH				
39		IDLE		IDLE		IDLE		CCCH
40		IDLE		IDLE		IDLE		CCCH
41		IDLE		IDLE		IDLE		CCCH
42		IDLE		IDLE		IDLE		CCCH
43								
44								
45								
46								
47								
48								
49								
50								
51				IDLE				SCH

FIG 4A

FRAMES 0-51 OF A 208-MULTIFRAME
(N MOD 4 = 0)
TIME GROUP 2

TS FRAME	0	1	2	3	4	5	6	7
0		IDLE		BCCH		IDLE		IDLE
1		IDLE		BCCH		IDLE		IDLE
2		IDLE		BCCH		IDLE		IDLE
3		IDLE		BCCH		IDLE		IDLE
4								
5								
6								
7								
8								
9								
10								
11								
12				PTCCH				
13		CCCH		IDLE		IDLE		IDLE
14		CCCH		IDLE		IDLE		IDLE
15		CCCH		IDLE		IDLE		IDLE
16		CCCH		IDLE		IDLE		IDLE
17								
18								
19								
20								
21								
22								
23								
24								
25	IDLE	FCCH		IDLE				
26		CCCH		IDLE		IDLE		IDLE
27		CCCH		IDLE		IDLE		IDLE
28		CCCH		IDLE		IDLE		IDLE
29		CCCH		IDLE		IDLE		IDLE
30								
31								
32								
33								
34								
35								
36								
37								
38				PTCCH				
39		CCCH		IDLE		IDLE		IDLE
40		CCCH		IDLE		IDLE		IDLE
41		CCCH		IDLE		IDLE		IDLE
42		CCCH		IDLE		IDLE		IDLE
43								
44								
45								
46								
47								
48								
49								
50								
51	IDLE	SCH		IDLE				

FIG 4B

FRAMES 0-51 OF A 208-MULTIFRAME
(N MOD 4 = 0)
TIME GROUP 3

TS FRAME	0	1	2	3	4	5	6	7
0		IDLE		IDLE		BCCH		IDLE
1		IDLE		IDLE		BCCH		IDLE
2		IDLE		IDLE		BCCH		IDLE
3		IDLE		IDLE		BCCH		IDLE
4								
5								
6								
7								
8								
9								
10								
11								
12				PTCCH				
13		IDLE		CCCH		IDLE		IDLE
14		IDLE		CCCH		IDLE		IDLE
15		IDLE		CCCH		IDLE		IDLE
16		IDLE		CCCH		IDLE		IDLE
17								
18								
19								
20								
21								
22								
23								
24								
25		IDLE		FCCH		IDLE		
26		IDLE		CCCH		IDLE		IDLE
27		IDLE		CCCH		IDLE		IDLE
28		IDLE		CCCH		IDLE		IDLE
29		IDLE		CCCH		IDLE		IDLE
30								
31								
32								
33								
34								
35								
36								
37								
38				PTCCH				
39		IDLE		CCCH		IDLE		IDLE
40		IDLE		CCCH		IDLE		IDLE
41		IDLE		CCCH		IDLE		IDLE
42		IDLE		CCCH		IDLE		IDLE
43								
44								
45								
46								
47								
48								
49								
50								
51		IDLE		SCH		IDLE		

FIG 4C

FRAMES 0-51 OF A 208-MULTIFRAME
(N MOD 4 = 0)
TIME GROUP 4

TS FRAME	0	1	2	3	4	5	6	7
0		IDLE		IDLE		IDLE		BCCH
1		IDLE		IDLE		IDLE		BCCH
2		IDLE		IDLE		IDLE		BCCH
3		IDLE		IDLE		IDLE		BCCH
4								
5								
6								
7								
8								
9								
10								
11								
12				PTCCH				
13		IDLE		IDLE		CCCH		IDLE
14		IDLE		IDLE		CCCH		IDLE
15		IDLE		IDLE		CCCH		IDLE
16		IDLE		IDLE		CCCH		IDLE
17								
18								
19								
20								
21								
22								
23								
24								
25			IDLE			FCCH		IDLE
26		IDLE		IDLE		CCCH		IDLE
27		IDLE		IDLE		CCCH		IDLE
28		IDLE		IDLE		CCCH		IDLE
29		IDLE		IDLE		CCCH		IDLE
30								
31								
32								
33								
34								
35								
36								
37								
38				PTCCH				
39		IDLE		IDLE		CCCH		IDLE
40		IDLE		IDLE		CCCH		IDLE
41		IDLE		IDLE		CCCH		IDLE
42		IDLE		IDLE		CCCH		IDLE
43								
44								
45								
46								
47								
48								
49								
50								
51			IDLE			SCH		IDLE

FIG 4D

FRAMES 0-51 OF A 208-MULTIFRAME
(N MOD 4 = 0)
TIME GROUP 1

TS FRAME	0	1	2	3	4	5	6	7
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14			A	B	C	D	E	F
15	G	H	I	A	B	C	D	E
16	F	G	H	I	A	B	C	D
17	E	F	G	H	I	A	B	C
18	D	E	F	G	H	I	A	B
19	C	D	E	F	G	H	I	A
20	B	C	D	E	F	G	H	I
21	A	B	C	D	E	F	G	H
22	I	A	B	C	D	E	F	G
23	H	I	A	B	C	D	E	F
24	G	H	I	A	B	C	D	E
25	F	G	H	I	A	B	C	D
26	E	F	G	H	I	A	B	C
27	D	E	F	G	H	I	A	B
28	C	D	E	F	G	H	I	A
29	B	C	D	E	F	G	H	I
30	A	B	C	D	E	F	G	H
31	I	A	B	C	D	E	F	G
32	H	I	A	B	C	D	E	F
33	G	H	I	A	B	C	D	E
34	F	G	H	I	A	B	C	D
35	E	F	G	H	I	A	B	C
36	D	E	F	G	H	I	A	B
37	C	D	E	F	G	H	I	A
38	B	C	D	E	F	G	H	I
39	A	B	C	D	E	F	G	H
40	I							
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								

ONE POWER MEASUREMENT SET = 26 FRAMES

FIG 5

Docket Number

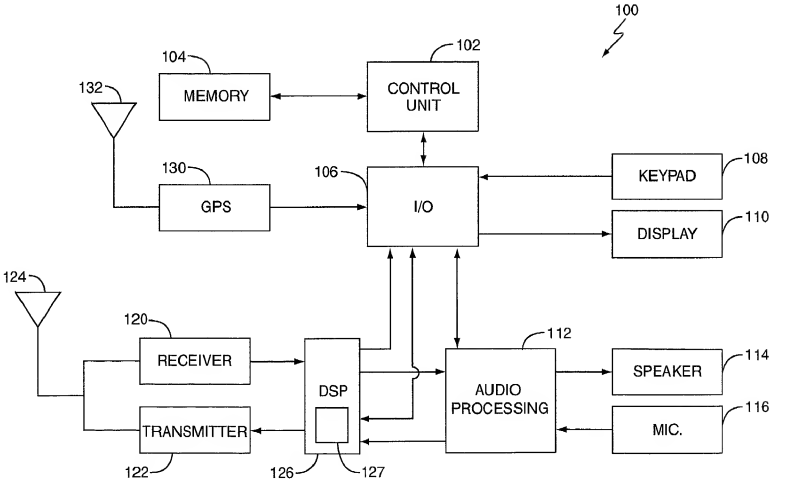

FIG. 6

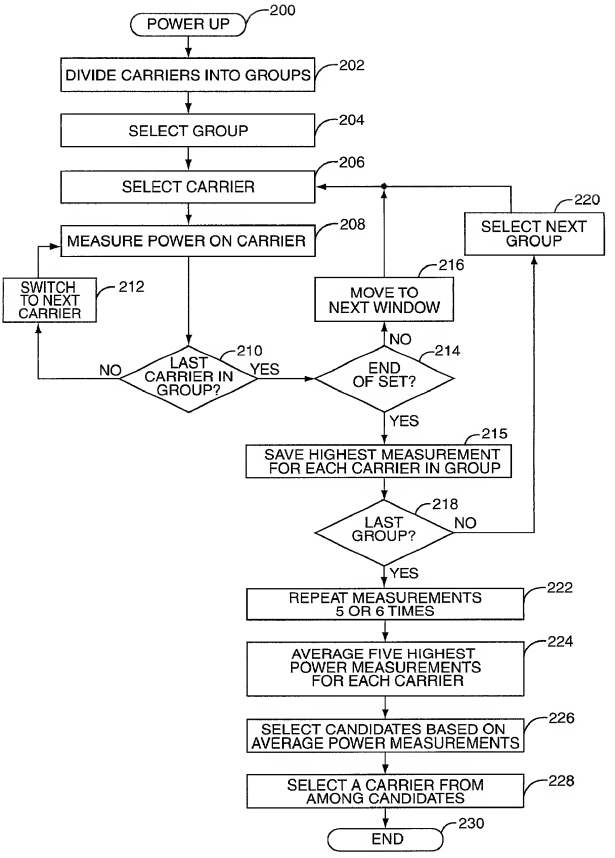
POWER UP
200
DIVIDE CARRIERS INTO GROUPS
202
SELECT GROUP
204
SELECT CARRIER
206
MEASURE POWER ON CARRIER
208
SWITCH TO NEXT CARRIER
212
LAST CARRIER IN GROUP?
210
NO
YES
MOVE TO NEXT WINDOW
216
END OF SET?
214
NO
YES
SELECT NEXT GROUP
220
SAVE HIGHEST MEASUREMENT FOR EACH CARRIER IN GROUP
215
LAST GROUP?
218
NO
YES
REPEAT MEASUREMENTS 5 OR 6 TIMES
222
AVERAGE FIVE HIGHEST POWER MEASUREMENTS FOR EACH CARRIER
224
SELECT CANDIDATES BASED ON AVERAGE POWER MEASUREMENTS
226
SELECT A CARRIER FROM AMONG CANDIDATES
228
END
230

FIG. 7